

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to maintain stable air-fuel ratio on a venturi type fuel supply device, irrespective of the external load such as air-conditioner and electrical load, and to provide stable engine speed on idling state.

A venturi type fuel supply device comprises a venturi chamber located in the upstream of a throttle valve and a passage for supplying air-fuel mixture gas into the venturi chamber. The passage is further equipped with a variable air bleeder valve for taking in air. When the operating state of the external load of the engine changes, the opening of the air bleeder valve is adjusted in accordance with the change so as to control the air-fuel mixture ratio of the mixture gas incoming from the passage into the venturi chamber.